

## Electronic Acknowledgement Receipt

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| <b>EFS ID:</b>                              | 2458528  |
| <b>Application Number:</b>                  | 10040173   |
| <b>International Application Number:</b>    |  |
| <b>Confirmation Number:</b>                 | 9007   |
| <b>Title of Invention:</b>                  | Method to improve ATSC-VSB transceiver performance employing a time-frequency waveform processor |
| <b>First Named Inventor/Applicant Name:</b> | Krishnamurthy Vaidyanathan   |
| <b>Customer Number:</b>                     | 24737  |
| <b>Filer:</b>                               | LARRY LIBERCHUK/NOEMI CHAPA  |
| <b>Filer Authorized By:</b>                 | LARRY LIBERCHUK  |
| <b>Attorney Docket Number:</b>              | US 010520  |
| <b>Receipt Date:</b>                        | 13-NOV-2007  |
| <b>Filing Date:</b>                         | 23-OCT-2001  |
| <b>Time Stamp:</b>                          | 11:30:52   |
| <b>Application Type:</b>                    | Utility under 35 USC 111(a)  |

### Payment information:

|  |                 |
|--|-----------------|
| Submitted with Payment                   | yes             |
| Payment Type                             | Deposit Account |
| Payment was successfully received in RAM | \$510           |
| RAM confirmation Number                  | 11599           |
| Deposit Account                          | 141270          |
| Authorized User                          |                 |

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

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## File Listing:

| Document Number | Document Description | File Name                                 | File Size(Bytes) /Message Digest                        | Multi Part /.zip | Pages (if appl.) |
|-----------------|----------------------|---|---|------------------|------------------|
| 1               | Appeal Brief Filed   | US010520US_Appeal_Brf_1<br>3-NOV-2007.pdf | 194998<br>46c4699817778baa5541ad1929d4d9c0<br>a6220ad03 | no               | 27               |

## Warnings:

### Information:

|   |                        |              |   |    |   |
|---|------------------------|--------------|---|----|---|
| 2 | Fee Worksheet (PTO-06) | fee-info.pdf | 8219<br>5-46573194758b39d7066911659-52d<br>ca7a2d | no | 2 |
|---|------------------------|--------------|---|----|---|

## Warnings:

### Information:

Total Files Size (in bytes): 203217

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### New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

### National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

### New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.